DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

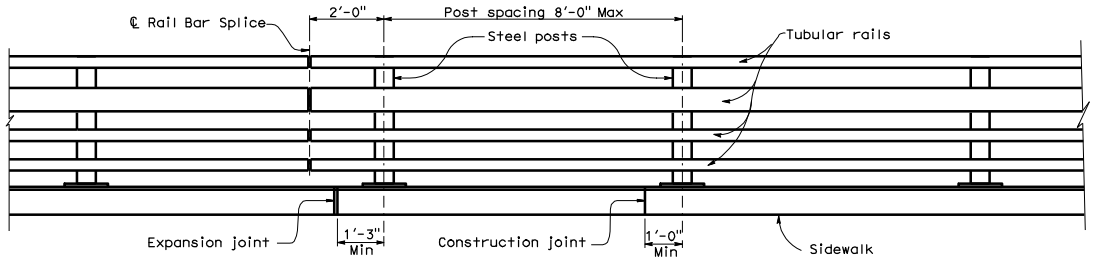
REGISTERED CIVIL ENGINEER

June 15, 2007
PLANS APPROVAL DATE

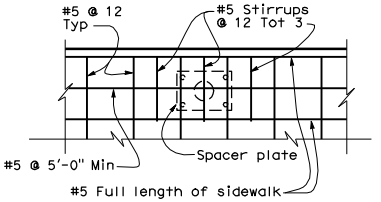
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER — Tillat Satter — No. C42892 — Exp. 03-31-08 — CIVIL — STATE OF CALIFORNIA

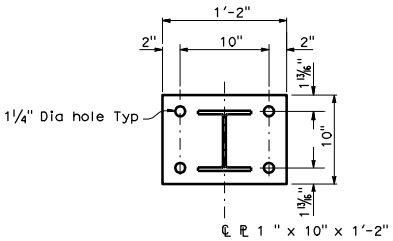
To accompany plans dated _____



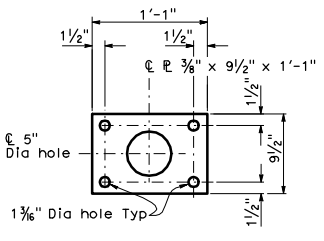
BRIDGE RAILING ELEVATION



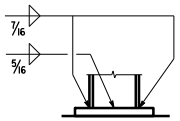
SIDEWALK REINFORCING PLAN



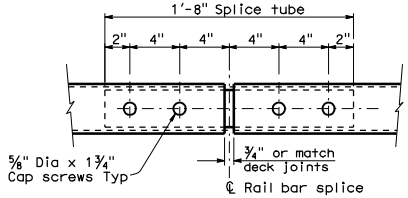
POST BASE PLATE PLAN



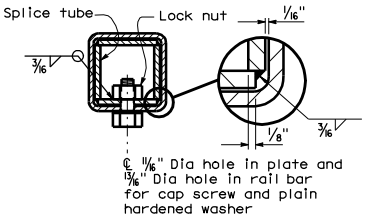
SPACER PLATE PLAN



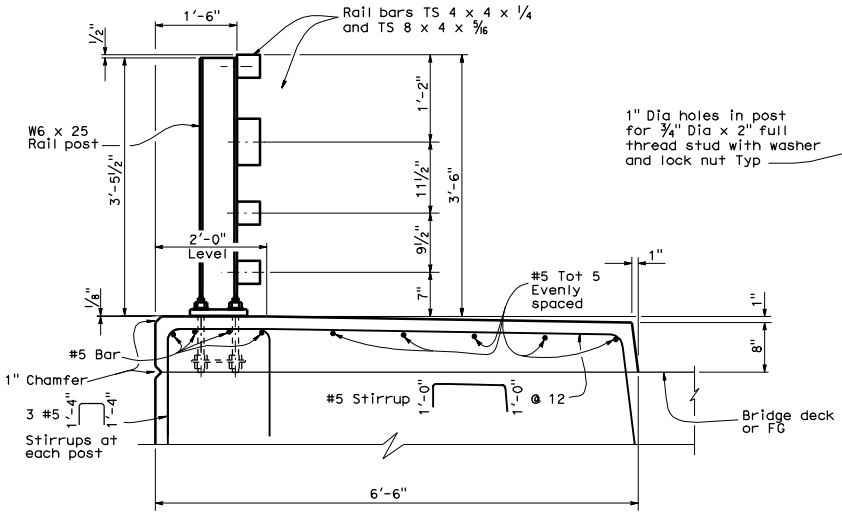
POST BASE WELD DETAIL



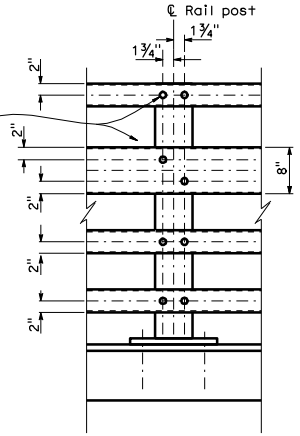
BOTTOM VIEW RAIL BAR SPLICE DETAIL



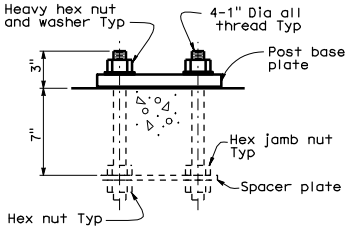
RAIL BAR SPLICE SECTION



TYPICAL SECTION



ELEVATION



RAIL POST ANCHORAGE

NOTES:

1. All exposed cuts or sheared edges shall be rounded and free of burrs.
2. Rail posts shall be set normal to grade.
3. Lengths of rail bar shall be attached to a minimun of two (2) rail posts.
4. All structural steel shall be galvanized after fabrication.
5. Rail post anchoring nuts shall be tightened to a snug fit and given additional ⅛ turn.
6. Holes in posts for rail bar attachment may be field drilled. Holes shall be coated with an approved zinc-rich paint prior to erection.
7. This barrier is to be used only for speeds of 45 mph or less. For speeds greater than 45 mph, pedestrians should be protected by a separation traffic barrier.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CALIFORNIA ST-40 BRIDGE RAIL (SHEET 1 OF 2)

NO SCALE

RSP B11-66 DATED JUNE 15, 2007 SUPERSEDES STANDARD PLAN B11-66 DATED MAY 1, 2006 - PAGE 282 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP B11-66

12-13-06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

June 15, 2007
PLANS APPROVAL DATE

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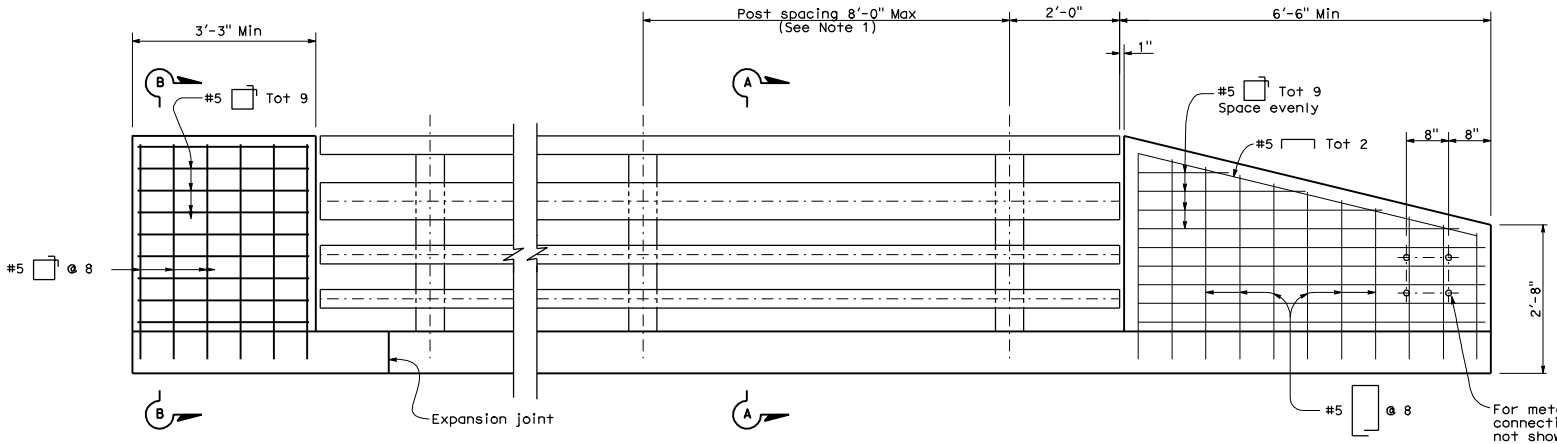
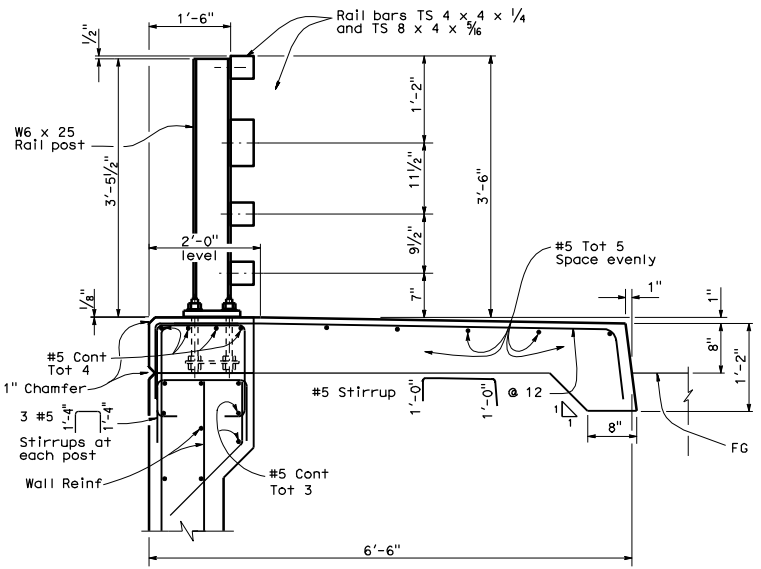
REGISTERED PROFESSIONAL ENGINEER — Tiligt Satter — No. C42892 — Exp. 03-31-08 — CIVIL — STATE OF CALIFORNIA

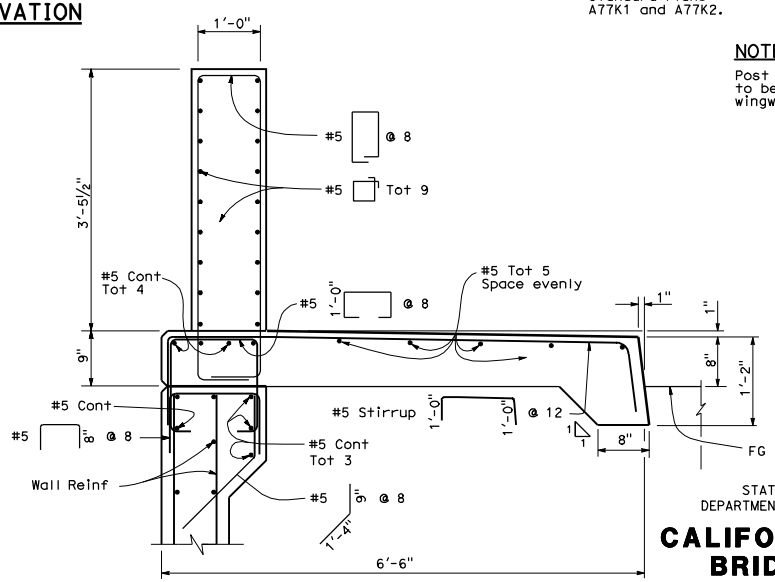
To accompany plans dated _____



END OF RAILING ELEVATION



SECTION A-A



SECTION B-B

NOTE:

Post spacing and/or end block length to be adjusted to fit bridge length or wingwall length.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CALIFORNIA ST-40 BRIDGE RAIL (SHEET 2 OF 2)

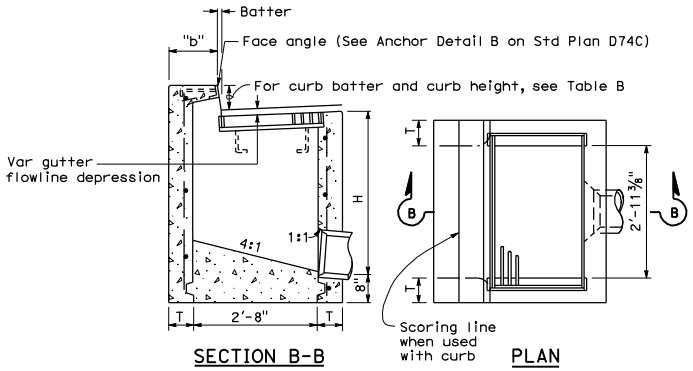
NO SCALE

RSP B11-67 DATED JUNE 15, 2007 SUPERSEDES STANDARD PLAN B11-67 DATED MAY 1, 2006 - PAGE 283 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP B11-67

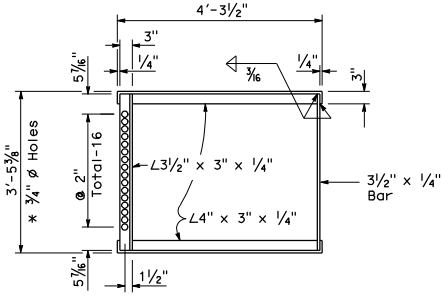
12-13-06

2006 REVISED STANDARD PLAN RSP B11-67



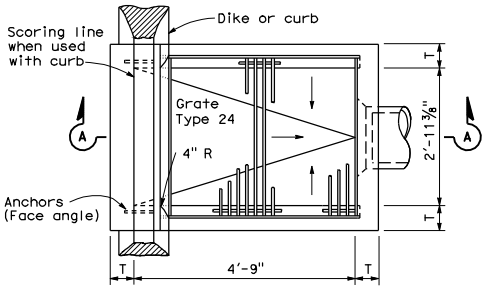
SECTION B-B PLAN

TYPE GO



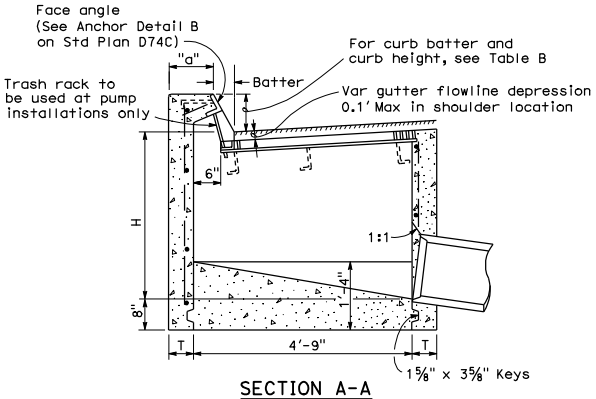
* ¾" ø Holes required only with trash rack

GRATE FRAME FOR TYPE GDO INLET

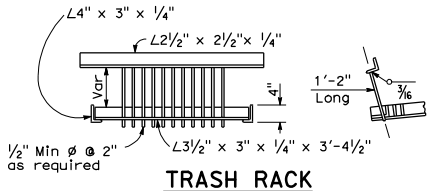


PLAN

TYPE GDO



SECTION A-A



TRASH RACK

(For use with pump installation)

TABLE A

CONCRETE QUANTITIES				
	H=3'-0" TO 8'-0" (T=6")		H=8'-1" TO 20'-0" (T=8")	
TYPE	H=3'-0" (CY)	ADDITIONAL PCC PER FOOT (CY)	H=8'-1" (CY)	ADDITIONAL PCC PER FOOT (CY)
GO	1.24	0.245	3.39	0.346
GDO	1.62	0.322	4.36	0.446

Table based on 8" floor slab, no deduction for pipe openings, and curb type giving highest quantity of concrete. No deductions or adjustments are to be made to these quantities because of pipe openings, different floor alternatives or different curb type.

TABLE B

CURB TYPE	NORMAL CURB HEIGHT	CURB BATTER	"a" DIMENSION	"b" DIMENSION
A1-6	6"	1½"	T+7½"	T+6½"
A1-8	8"	2"	T+7"	T+6"
B1-6	6"	4"	T+5"	T+4"
Type A Dike	6"	3"	T+6"	T+5"

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Glenn DeCou
REGISTERED CIVIL ENGINEER

June 15, 2007
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER — Glenn DeCou — No. C34547 — Exp. 9-30-07 — CIVIL — STATE OF CALIFORNIA

To accompany plans dated _____

NOTES:

1. "H" is the difference in elevation between the outlet pipe flow line and the normal gutter grade line undepressed.
2. For "T" wall thickness, see Table A below.
3. Wall reinforcing not required when "H" is 8'-0" or less and the unsupported width or length is 7'-0" or less. Walls exceeding these limits shall be reinforced with #4 @ 18"± centers placed 1½" clear to inside of box unless otherwise shown.
4. Inlet bottom reinforcing not required. See Standard Plan D74C for alternative reinforced bottom.
5. Steps - None required where "H" is less than 2'-6" Where "H" is 2'-6" or more, install steps with lowest rung 1'-0" above the floor and highest rung not more than 6" below top of inlet. The distance between steps shall not exceed 1'-0" and shall be uniform throughout the length of the wall. Place steps in the wall without an opening. Step inserts may be substituted for the bar steps. Step Inserts shall comply with State Industrial Safety requirements. See Standard Plan D74C for step details.
6. When shown on the project plans, place a ¾" plain round protection bar horizontally across the length of the opening and bend back 4" into the inlet wall on each side.
7. Pipe(s) can be placed in any wall.
8. Curb section shall match adjacent curb.
9. Basin floors shall have wood trowel finish and shall slope toward the outlet pipe as shown.
10. Galvanizing - See Standard Specifications or Special Provisions.
11. See Standard Plan D77A and D77B for grate and frame details and weights of miscellaneous iron and Steel.
12. See Standard Plan D78A for gutter depression details.
13. Full penetration butt welds may be substituted for the fillet welds on all anchors.
14. Standard square, hexagon, round or equivalent headed anchors may be substituted for the right angle hooks on the anchors shown on this plan.
15. Cast-in-place or precast alternative is optional with contractor. See Standard Specifications.
16. Cast-in-place inlets to be formed around all pipes/stubs intersecing the inlet and concrete poured in one continuous operation. Precast inlets shall have mortared pipe connections conforming to details for Type GCP inlets on Standard Plan D75B. See Standard Specifications for mortar composition.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DRAINAGE INLETS

NO SCALE

RSP D74B DATED JUNE 15, 2007 SUPERSEDES STANDARD PLAN D74B DATED MAY 1, 2006 - PAGE 150 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP D74B

2006 REVISED STANDARD PLAN RSP D74B

4-16-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

June 15, 2007
PLANS APPROVAL DATE

Stanley P. Johnson
No. C57793
Exp. 3-31-08
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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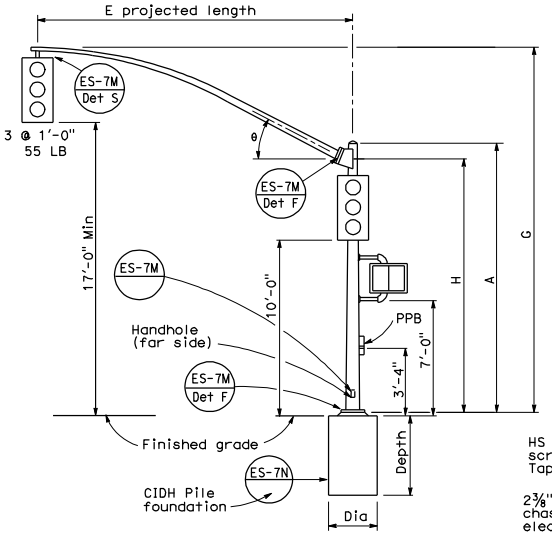
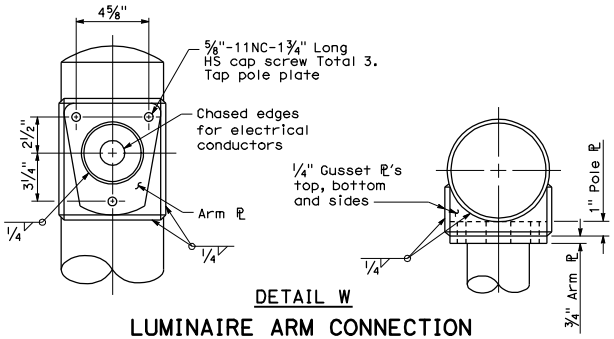
To accompany plans dated _____



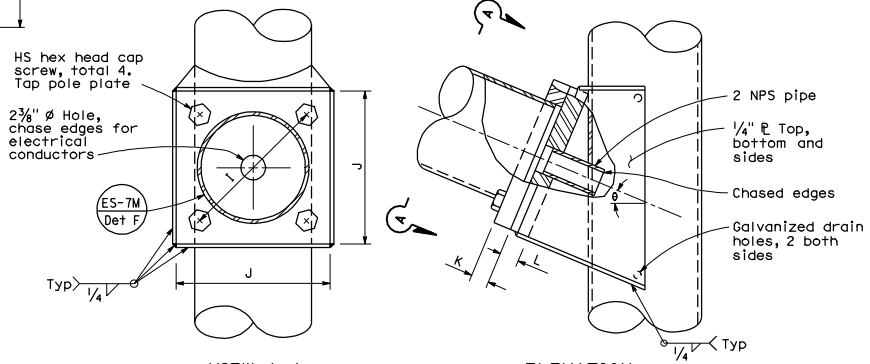
ELEVATION

TYPE 16-1-100, 18-1-100



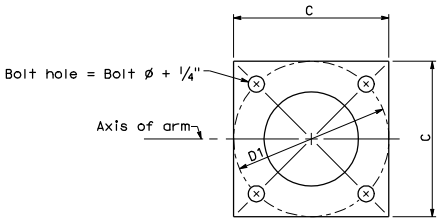
DETAIL W

LUMINAIRE ARM CONNECTION

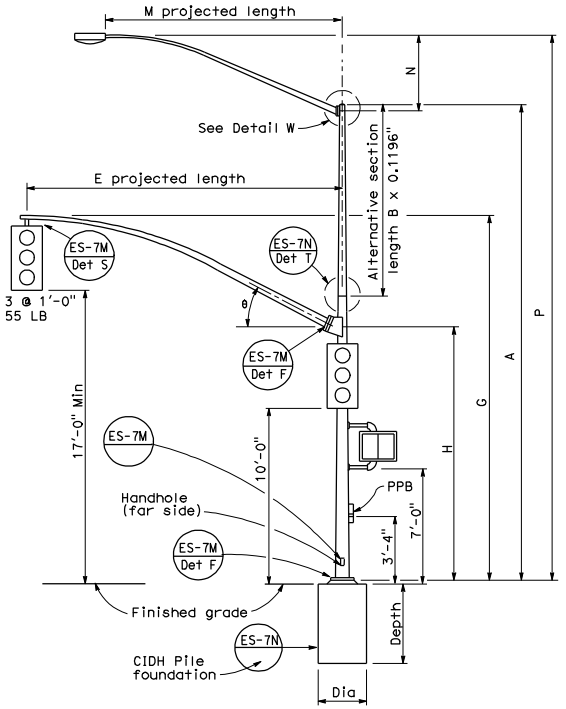


VIEW A-A ELEVATION

SIGNAL ARM CONNECTION DETAILS



BASE PLATE



ELEVATION

TYPE 19-1-100, 19A-1-100

SIGNAL ARM DATA										
E Projected Length	G Mounting Height	H	Min OD At Pole	Thickness	I Bolt Circle	HS Cap Screws	J Plate size	K Arm ℄ Thickness	L Pole ℄ Thickness	θ
15'-0"	21'-8"±	17'-6"	7"	0.1196"	12"	1¼"-7NC-3"	1'-0"	1¼"	1½"	23°
20'-0"	21'-8"±		7⅛"							
25'-0"	22'-8"±	16'-0"	7⅝"							
30'-0"	23'-0"±		8"							

LUMINAIRE ARM DATA						
M Projected Length	N Rise	Min OD at Pole	Thickness	P Mounting Height		
				30'-0" Pole	35'-0" Pole	
6'-0"	2'-0"±	3¼"	0.1196"	31'-6"±	36'-6"±	
8'-0"	2'-6"±	3½"		32'-0"±	37'-0"±	
10'-0"	3'-3"±	3⅞"		32'-9"±	37'-9"±	
12'-0"	4'-3"±			33'-9"±	38'-9"±	
15'-0"	4'-9"±	4¼"		34'-3"±	39'-3"±	

Pole Type	Load Case	Wind Velocity mph	POLE DATA						BASE PLATE DATA				Luminaire Arm	Signal Arm	CIDH PILE FOUNDATION		
			A Height	Min OD		Thickness	Alternative Section		C	D1 Bolt Circle	Thickness	Anchor Bolts			Diameter	Depth	Reinforced
				Base	Top		B Length	Bottom / Top				Size					
16-1-100	1	100	18'-6"	10¾"	8¼"	0.1793"	None		1'-6"	1'-5½"	1¼"	1½" ø x 42" x 6"	None	15'-0", 20'-0"	2'-6"	7'-2"	Yes
18-1-100			17'-0"		8⅛"		None						None				
19-1-100			30'-0"		6⅝"		10'-0"	8" / 6⅝"					6'-15' 12'-0"	25'-0", 30'-0"			
19A-1-100			35'-0"		5⅝"		15'-0"	8" / 5⅝"					6'-15' 15'-0"				

☐ Indicates arm length to be used unless otherwise noted on plans.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD CASE 1 ARM LOADING WIND VELOCITY = 100 MPH ARM LENGTHS 15' TO 30')

NO SCALE

RSP ES-7C DATED JUNE 15, 2007 SUPERSEDES STANDARD PLAN ES-7C DATED MAY 1, 2006 - PAGE 439 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-7C

1-26-07